



Dell Inspiron M5030 Processor Replacement

Need to replace your processor? The process is not too hard at all.

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INTRODUCTION

In this guide, you will learn how to replace the processor in the Dell Inspiron M5030. To remove, clean off, and replace the thermal paste in order to remove the heat sink, please refer to the [Applying Thermal Paste Guide](#).



TOOLS:

- [Phillips #0 Screwdriver](#) (1)
 - [iFixit Opening Tools](#) (1)
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Step 1 — Keyboard



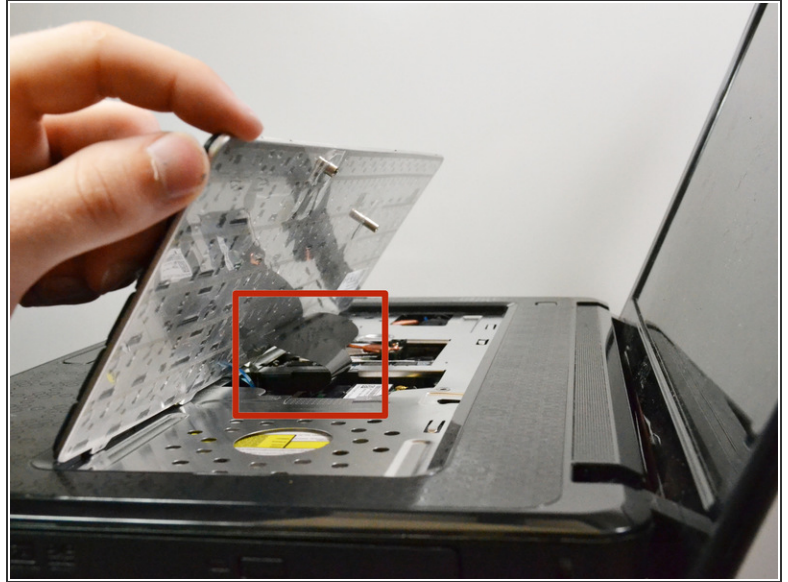
- Remove the fourteen 7/16" screws from the bottom of the laptop using a #0 phillips head screwdriver.
- Remove the two 5/16" screws from the bottom of the laptop using a #0 philips head screwdriver.

Step 2



- Turn laptop over and open the lid.
- Locate the three tabs just above the top row of keys on the keyboard (above F1, F6, and PrntScr keys).
- Push the leftmost tab with the plastic opening tool in one hand while lifting the left side of the keyboard with the other hand. You should feel the keyboard come loose.
- While continuing to lift the left side of the keyboard, push the other two tabs from left to right with the plastic opening tool. This should loosen the keyboard.

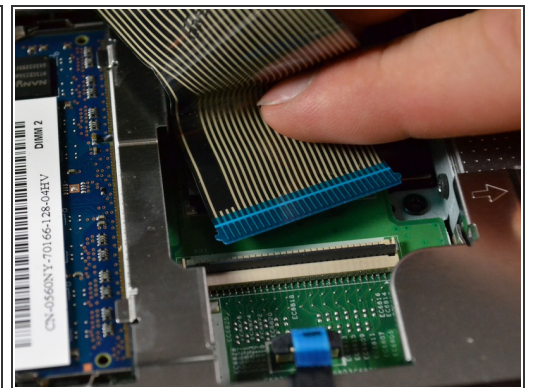
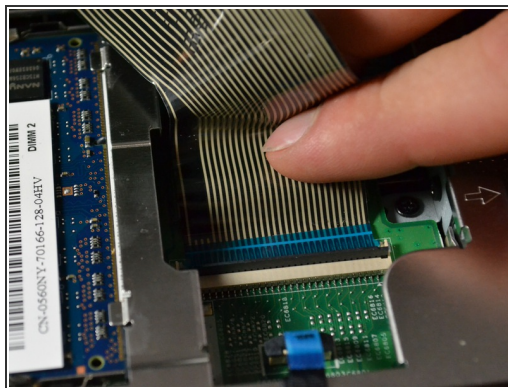
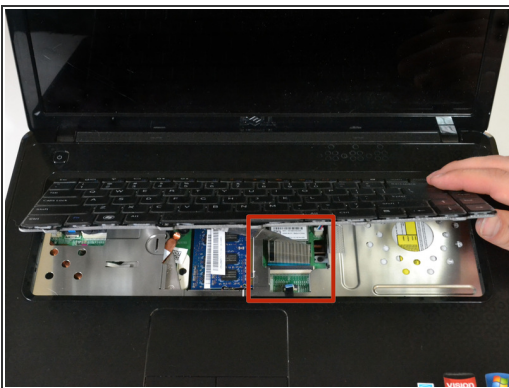
Step 3



- Once the top edge of keyboard is loose, gently pull up on the keyboard.

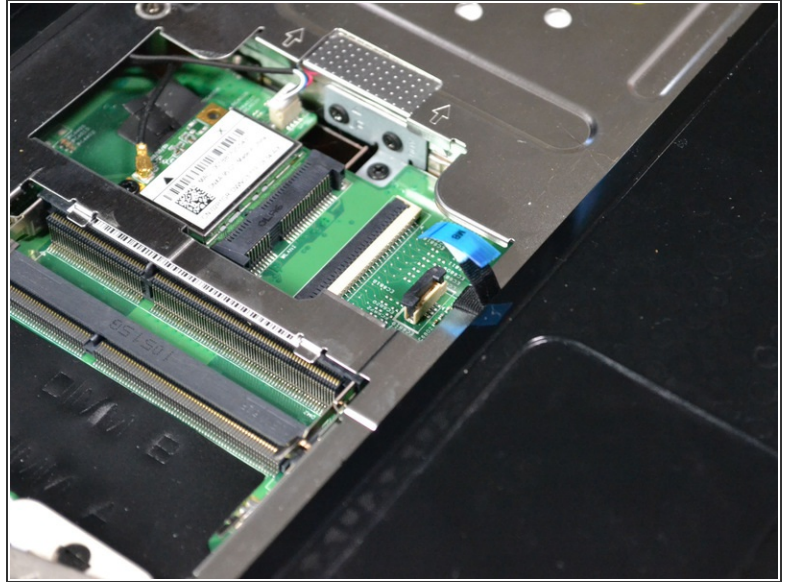
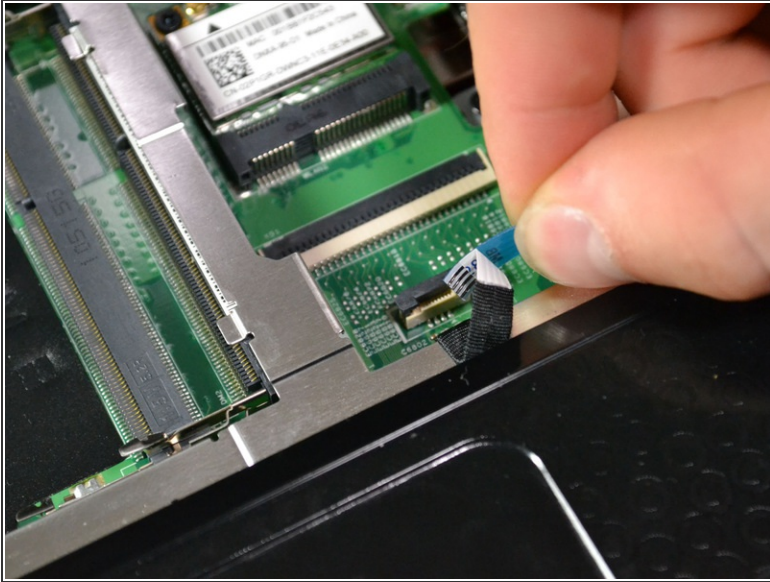
⚠ Do not pull the keyboard forcefully; it is still attached to the laptop by a ribbon

Step 4



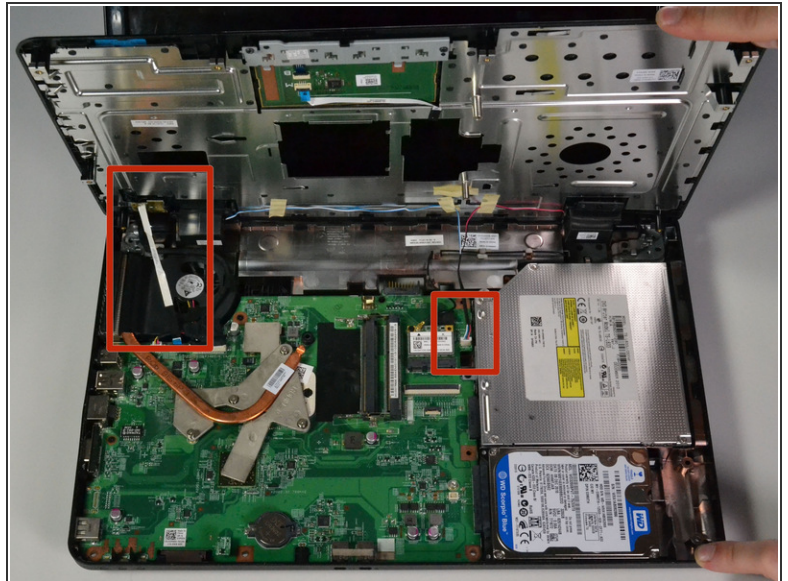
- Locate the blue end of the ribbon seated in the connector on the motherboard.
- Lift up the black flap on the connector and gently pull the ribbon away from the connector parallel to the motherboard.
- Lift the keyboard up and off of the motherboard.

Step 5 — Surface Around the Keyboard



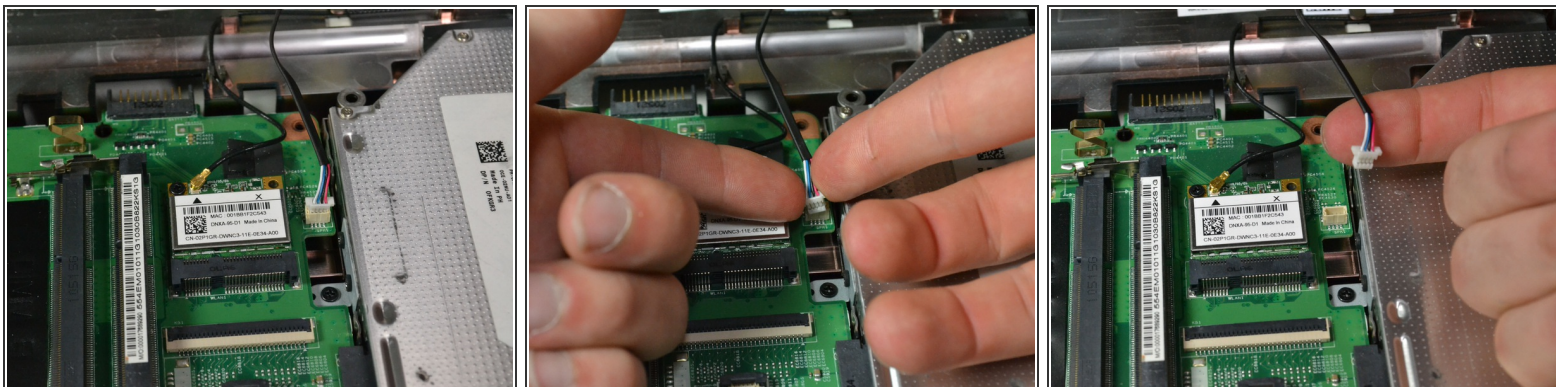
- Disconnect the blue tab located just above the touch pad of the laptop.

Step 6



- Use a plastic opening tool to pry up the plastic covering of the laptop by wedging it underneath one side of the covering and lifting up.
- Be careful not to lift off the cover all the way, it is still connected by two wires toward the screen-side of the covering.

Step 7



- Disconnect the right-most of the two wires connected to the white block with red/blue/black/white wires by simply pulling it out.

Step 8



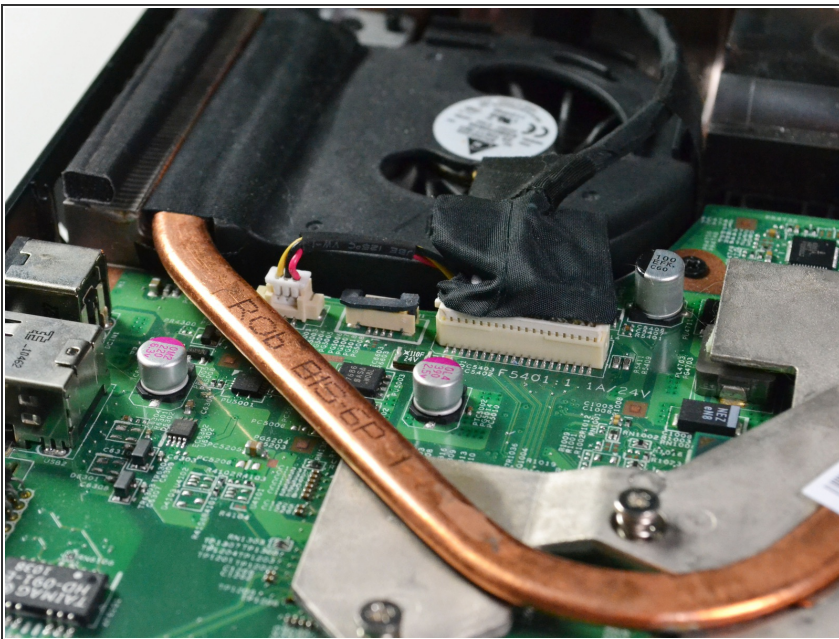
- Remove the left-most of the two wires by pulling up on the blue tab.
- You can now lift off the plastic covering entirely.

Step 9 — Fan



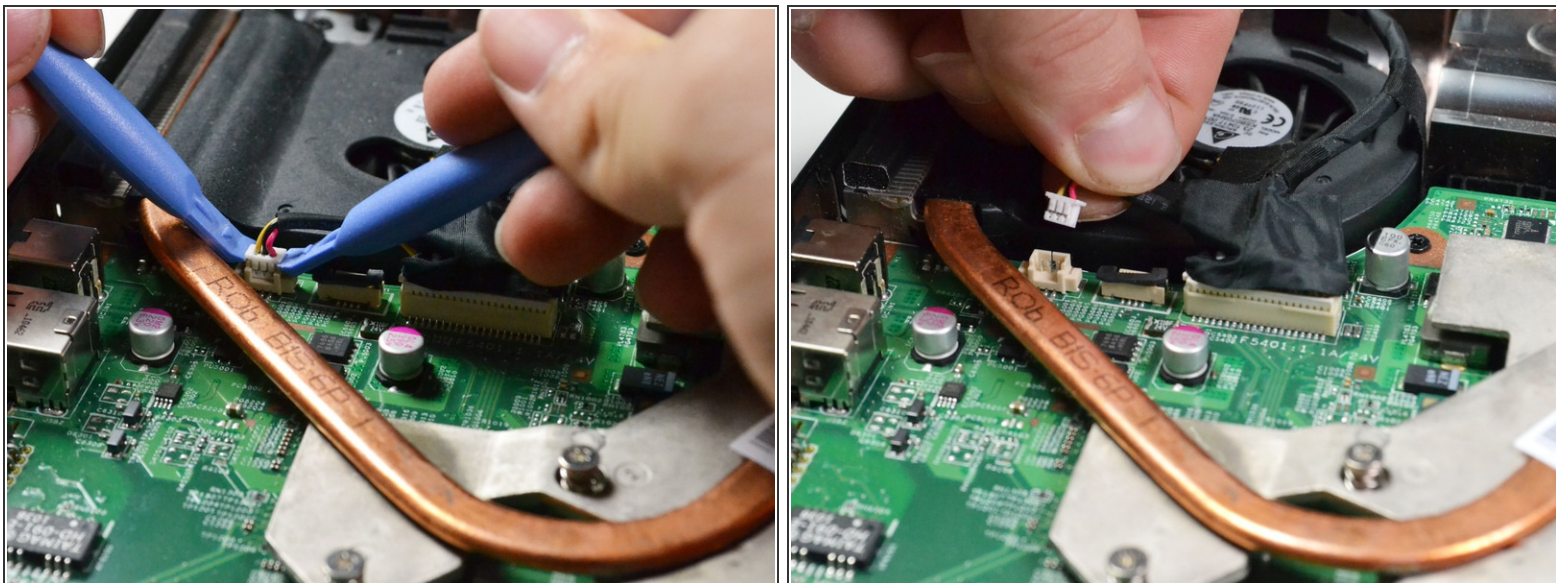
- There is a wire attached to the fan by three strips black tape.
- Remove the tape from the fan, but do not remove the tape from the wire.
- ⓘ Move the wire away from the fan (Note: there are ridges along the top of the fan to indicate where the wire should sit when you put the fan back).

Step 10



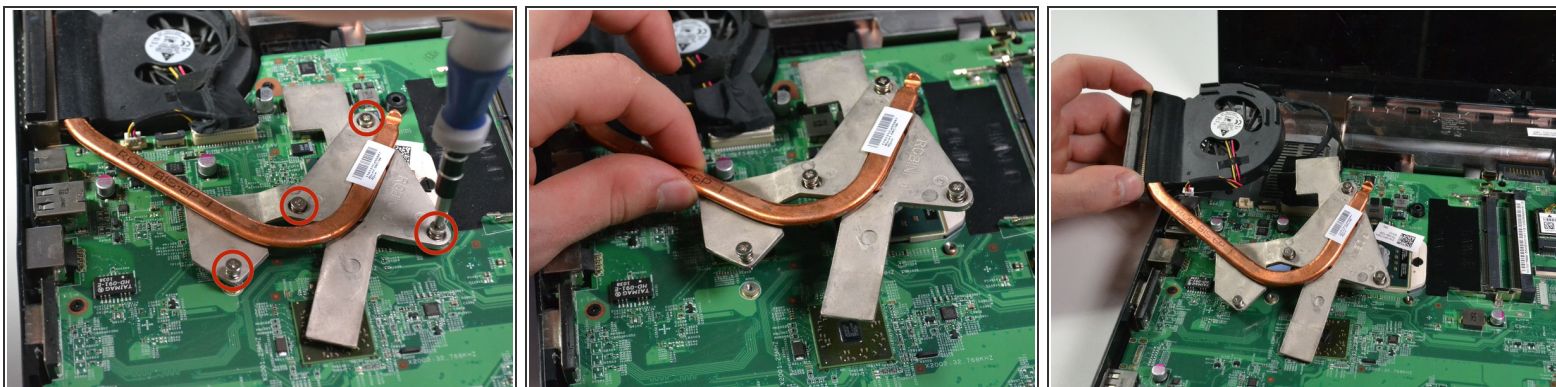
- Locate the yellow/black/red wires and find the white plastic block where they end.

Step 11



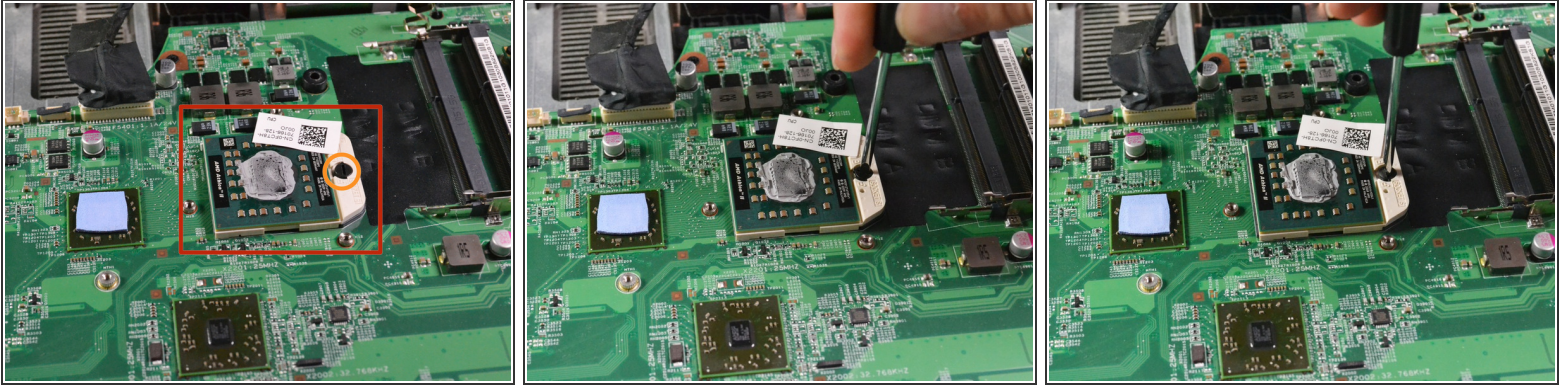
- Using two fingers (one on either side of the block) or two plastic opening tools (one on either side of the block), pinch the bottom of the block and lift up to remove the block.

Step 12



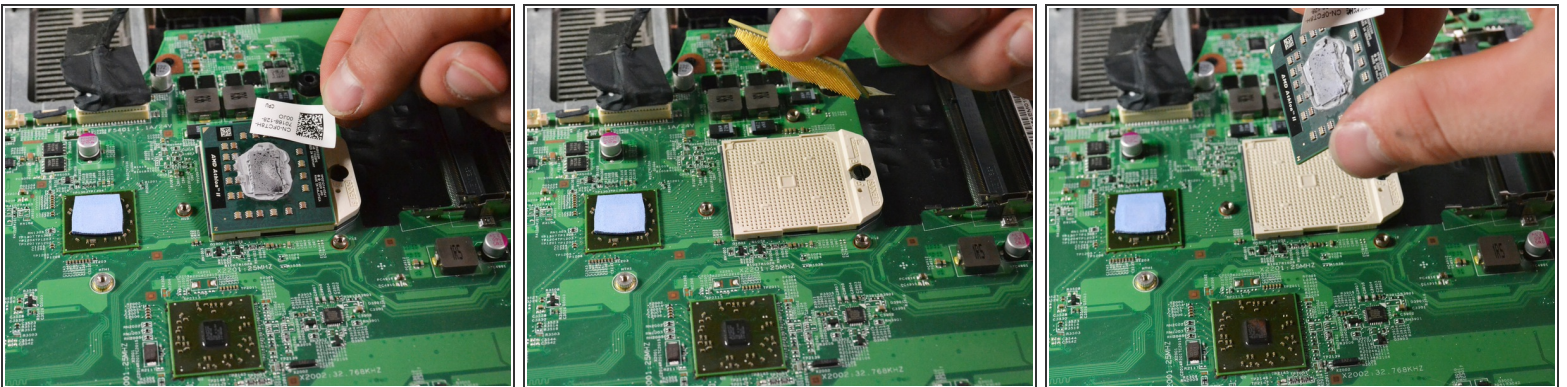
- Go to the heat sink (large metal object connected to the fan) and unscrew the four screws with a Phillips #0 screwdriver (You do not need to remove the screws completely from the heat sink).

Step 13 — Processor



- Locate the processor.
- Locate the black screw above the processor. This is the indicator that shows if the processor is locked in or not.
- Use a flat-head screw driver to turn the indicator a full 180 degrees.

Step 14



- Grab the sides of the processor with your thumb and forefinger to remove the processor.
- That's it!

To reassemble your device, follow these instructions in reverse order.

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